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Neuropeptides: A Methodology, IBRO Handbook Series. Vol. 11 (ed by Fink) 1989, **165**, 285, *rev*
Lewis, O. J. *Early Development of the Shoulder Girdle and Sternum in Marsupials* (*Mammalia: Metatheria*) (*by Klima*) 1987, **162**, 278, *rev*
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The Biology of Surfactants (*by Hills*) 1988, **164**, 229, *rev*

Meeusen, E., *see* Lee, C. S. *et al*

Mensah-Brown, E. P. K., Pratten, M. K. & Beck, F., A method for studying rat embryonic metabolism by microcannulation of the vitelline circulation, **163**, 123

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Moffat, D. B. *Picture Tests in Embryology* (*by England*) 1989, **165**, 280, *rev*

Picture Tests in Human Anatomy (*by McMinn*) 1986, **165**, 280, *rev*

Gray's Anatomy, 37th edition. (by Williams) 1989, **167**, 245, *rev*

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Nairn, J. G., Bedi, K. S. & Mayhew, T. M., The number of Purkinje cell nucleoli in the human cerebellum: estimation using the fractionator, **164**, 260, *dem*

Najlerahim, A., Harrison, P. J., Barton, A. J. L. & Pearson, R. C. A., Messenger RNAs coding for cholinergic and $GABA_A$ receptors, GAD and tubulin in the rat brain detected by *in situ* hybridisation, **164**, 238, *P*
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Pratten, M. K., *see* Mensah-Brown, E. P. K. *et al*

Premsagar, I. C., *see* Bisaria, K. K. *et al*

Presley, R. *Craniofacial Embryology*. Dental Practitioner Handbook 15, 4th edition. (by Sperber) 1989, **167**, 247, *rev*

The Development of the Chondrocranium of Gallus gallus. Advances in Anatomy, Embryology and Cell Biology. (*by Vorster*) 1989, **167**, 247, *rev*

The Cambridge Guide to Prehistoric Man (*by Lambert*) 1987, **162**, 277, *rev*

Provis, J. M., *see* Mitrofanis, J.

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Correlative Microscopy in Biology. Instrumentation and Methods (*by Hayat*) 1987, **162**, 279, *rev*

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Shaw Dunn, J. *A Colour Atlas of Human Dissection* (*by Chumbley*) 1988, **165**, 280, *rev*
Sheehan, P. F. J., The effects of histamine and serotonin on the growth of xenografted human bronchogenic carcinoma, **165**, 297, *PA*
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